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CENTRAL INTELLIGENCE AGENCY
INFORMATION REPORT

COUNTRY

Poland

DATE DISTR. 22 Jun 1954

SUBJECT

Polish Industry/Distribution and Personnel

NO. OF PAGES 5

PLACE
ACQUIRED

NO. OF ENCLS.
(LISTED BELOW)

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1. Polish Industries and Personnel Distribution: Only those industries employing fifty workers or more are considered in total employment column listed below. In reading percentage distribution of workers, the Warsaw distribution is actually a portion of the distribution in the central counties column. It has purposely been included by source to point out worker concentration in Warsaw.

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[See next page for statistics.]

SEE LAST PAGE FOR SUBJECT & AREA CODES

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- 2 -

Type of Industry	Total Employment	Counties Central Around		East Poland	Pomerania and Poznan	Upper Silesia	South Poland
		Radom	Warsaw				
Mining	847,464	52.8	9.2	4.7	10.3	15.1	17.1
Smelting	87,776	24.2	10.0	---	0.7	52.7	22.4
Coal	68,381	25.4	---	---	---	65.3	9.3
Oil & Gas	9,337	---	---	---	---	---	100.0
Salts, Salines	2,690	2.0	---	---	22.9	---	75.1
Mineralogy	68,694	45.9	2.3	12.4	13.4	8.6	19.7
Brick	24,154	43.4	0.2	2.6	22.6	10.1	21.3
Cement	3,325	44.7	---	3.4	2.7	12.3	36.9
Metals	126,438	60.9	15.4	0.3	7.4	24.5	7.1
Iron Foundries	9,260	65.6	2.0	0.7	20.4	8.5	4.8
Sheet Metal	6,664	40.4	18.7	---	0.5	58.2	0.9
Engines & Pumps	2,965	92.4	32.6	---	2.6	3.5	1.5
Electrical	13,116	62.8	42.9	---	11.4	12.3	9.0
Chemical	40,933	51.1	12.6	2.9	8.6	17.4	20.0
Refineries	3,315	---	---	---	---	6.8	93.2
Textiles	156,160	89.6	3.1	0.3	0.6	4.9	4.6
Paper	15,439	53.2	13.2	7.4	9.3	14.8	15.3
Lumber	57,249	35.6	35.0	15.8	13.7	4.3	30.6
Food	85,590	41.6	9.7	8.8	21.1	4.4	21.1
Public Works (highways, roads, etc)	102,858	38.7	3.7	8.7	16.6	7.6	28.4

2. Fuel and Electricity Required by Polish Industries in 1939: /Only plants employing more than 50 employees are considered below./

Industry	Black & Brown Coal	Coke	Wood	Crude Oil	Gas	Other Combustibles (Peat Moss, Straw, etc)	Electric Current	
							Purchased	Own Production
	In 1000 tons	In 1000 tons	In 1000 tons	In 1000 tons	In 1000 tons	In 1000 tons	In 1000 K W	In 1000 K W
Total	311.2	1036.5	1032.7	169.9	496,381	259.1	525,117.0	1,176,108
Mineralogy	1.593	22.0	191.0	0.2	14,616	17.0	38,529.0	81,245
Metal	1640.0	760.0	27.0	9.4	46,645	33.0	149,500.0	301,196
Electric	39.0	2.9	0.4	0.0	305	18.0	18.622	579
Chemical	815.0	152.0	95.0	146.0	428,209	86.0	147.583	437,565

3. Electrical Plants and Production of Electricity in 1939:

- Total number of electrical plants was 2792
- All power installed and developed was 1.620 x 1000 K W hrs
- Total production in millions of K W hrs was 3.628 x one million
- 74% of efficiency wasted and 24% gainfully utilized

4. Production - Smelting and Mining:

- Total number of coal mines in Poland: 64
- Total number of laborers utilized in coal production: 79.5 x 1000
- Production of coal in 1000 tons: 36,218
- Area of such production:

- Upper Silesia: 27.402 x 1000 tons
- Dombrowski : 6.475 x 1000 tons
- Krakovski : 2.341 x 1000 tons

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- 3 -

5. Crude Oil:
- Total number of plants: 812
 - Total number of laborers: 103,000
 - Total production: 501 x 1,000 tons
 - Area of production:
 - Drohobycz: 387,000 tons
 - Jaslo: 118,000 tons
 - Stanislawow: 46,000
6. Potassium Salts:
- Only three such plants in pre-World War II Poland
 - They employed 20,000 laborers
 - Annual output: 5,210,000 tons
7. Zinc and Lead Mines:
- Up to 1939, I know of only two such mines in Poland
 - In total the two plants employed 19,000 workmen
 - The annual output of zinc reached 191,000 tons
 - The annual output of lead reached 89,000 tons
8. Iron Mills:
- Altogether in 1939 there were 23 iron mills
 - These mills employed 45,050 laborers
 - Production in 1,000 tons:
 - Raw iron: 724
 - Steel: 451
 - Hot process: 1.043
 - Seamless and welded pipe: 96
9. Smelting Lead and Zinc Plants:
- There were nine lead and zinc plants in Poland prior to 1940
 - 5,098 laborers were engaged in such work
 - Production in thousands of tons of zinc prior to 1940 was 107 x 1,000 (107,000 tons)
 - Production of lead was 18 x 1,000 (18,000 tons)
10. Production of most important commodities at various plants up to 1940:

<u>Articles</u>	<u>Quantity</u>
Bricks (in millions)	1.615
Tile (in millions)	2.4
Cement (in 1000 tons)	1.285
Lime " "	691
Raw Iron " "	724
Steel " "	1.450
Pig Iron " "	156
Cast Iron " "	4.2
Metal Products " "	-----
Non Iron Metals " "	39
Copper " "	4.9
Wire " "	3.5
Massing (alloys) " "	11
Sheet Iron " "	4.1
Zinc Products " "	18
Galvanized Iron Sheet Metal (in 1000 tons)	24
Screws and Rivets " " "	15

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Articles	Quantity
Bridges (in 1000 tons)	1,844
Iron Steam Kettles	1,517 tons
Combustion Engines (excluding aircraft, Motorcycles & autos)	KM 2,326 x 1000
Pumps	815 tons
Railroad Wagons	3,466
Electric Engines	16,559
Batteries	1,799 tons
Cells	1,872 tons
Electric Meters	211 tons
Electric Bulbs	11,644,000
Leaded Wire	7,613 tons
Wireless Radio Sets	145,000
Gas (in million cubic centimeters)	163
Coke (in 1000 tons)	2,328
Benzol Purified (in 1000 tons)	22
Turpentine Purified (in 1000 tons)	3.2
Dyes " " "	2.9
Artificial Silk " " "	62
Ammonium Sulfate " " "	64
Nitrate of Lime " " "	57
Sodium Nitrate " " "	7.2
Fertilizer-Nitrate " " "	19
Nitrogen Fertilizer " " "	68
Nitro-phosphate " " "	2.1
Mineral Super Phosphate	10,000 tons
Sulfuric Acid (calculated at 50 BE)	373,000 tons
Soda Ammonium (in 1000 tons)	106
Caustic Soda	22,000 tons
Crystal Soda	11,000 tons
Serums & Vaccines	.07
Vegetable Oils (in 1000 tons)	50
Soaps, Technical & Ordinary " " "	54
Toilet Soaps " " "	13
Ultramarine Dye " " "	1.9
Lacquers " " "	2.2
Shoe Wax & Polish " " "	3.3
Tanned Pelts " " "	5.3
Fabrics (in 1000 quintal lots)	1,344
Ornamental Rugs " " "	922
Thread (in 1000 K G lots)	1,086
Cotton " " "	1,920
Wood Pulp (in 1000 tons)	69
Sulfate Cellulose " " "	70
Sodium Cellulose " " "	24
Cardboard " " "	40
Paper " " "	203
Shoe Leather	19,957 tons
Engine Belts	508 tons
Calf Leather (per 1000 square meters)	1,160
Horse Leather " " "	375
Sheep Skins (expressed in pieces)	736,000
Ammonium Nitrate (in 1000 tons)	2.9

11. Production of gasoline up to 1939:

- There were 30 gasoline refineries in Poland
- These refineries employed 32,000 employees
- Production consisted of:

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- 5 -

- (1) Crude oil converted equalled 499 x 1000 tons (499,000 tons)
 (2) 456,000 tons of gasoline products were derived. They consisted of:

91,000 tons of gasoline
 144,000 tons of naphtha (paraffin)
 102,000 tons of light oil
 46,000 tons of lubricating oil
 24,000 tons of paraffin wax
 4,000 tons of solid lubs & vaseline
 2,260 tons of asphalt
 4,000 tons of coke

12. Paraffin Ether:

- a. There were 28 plants which produced paraffin ether. These plants employed 4,000 laborers when World War II began.
 b. Production in 1938 in millions of cubic meters was 531.
 c. 39,000 tons of paraffin ether were produced.

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761.112	55M
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4-5/735.1	55M
4-12/735.1	55M
4-5/735.5	55M
4-12/735.5	55M
4-5/734.191	55M
4-5/732.22	55M
4-5/732.09	55M
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4-5/733.3	55M
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